1

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application: 1.-4. (Cancelled)

- 1 5. (Currently Amended) A method for servicing an inkjet printer including an inkjet 2 printhead with a nozzle plate and a first service module removably installed on the printer, 3 comprising: 4 identifying a printhead-related service condition not adequately addressed by servicing 5 the printer with the first service module being in an un-worn condition; 6 providing a second service module with a service function different from the first service 7 module and adapted to address said printhead-related service condition, the second service 8 module removably installable on the printer and with respect to the first service module; 9 removing the first service module from the printer; 10 installing the second service module in the printer in place of the first service module; 11 using the second service module, conducting a special printhead-related servicing 12 operation.
- 6. (Currently Amended) The method of claim 5, further comprising:
 after completion of the special printhead-related servicing operation, removing the
 second service module from the printer; and
 install installing the first service module in the printer in place of the second service
 module.

1	7. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2	printhead with a nozzle plate and a first service module removably installed on the printer,
3	comprising:
4	identifying a printhead-related service condition not adequately addressed by servicing
5	the printer with the first service module being in an un-worn condition;
6	providing a second service module with a service function different from the first service
7	module and adapted to address said printhead-related service condition, the second service
8	module removably installable on the printer and with respect to in place of the first service
9	module;
10	providing a set of instructions for using the second service module with the inkjet printer
11	to the printer user, wherein the step of providing a set of instructions includes providing a set of
12	machine readable printer instruction code for loading into the printer.
1	8. (Currently Amended) The method of claim 7 wherein the printer is controlled by
2	a host computer, and wherein the step of using providing the set of instructions includes
3	downloading the set of printer instruction code from the host computer.
1	9. – 13. (Cancelled)
1	14. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2	printhead with a nozzle plate and a first service module removably installed on the printer,
3	comprising:
4	identifying a printhead-related service condition not adequately addressed by servicing
5	the printer with the first service module being in an un-worn condition;
6	providing a second service module with a service function different from the first service
7	module and adapted to address said printhead-related service condition, the second service
8	module removably installable on the printer and with respect to in place of the first service
9	module, wherein said printhead-related service condition includes ink on a printhead carriage
10	interconnect, and the second service module includes a brush arranged to clean the interconnect.

1 15. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2 printhead with a nozzle plate and a first service module removably installed on the printer,
3 comprising:
4 identifying a printhead-related service condition not adequately addressed by servicing
5 the printer with the first service module being in an un-worn condition;
6 providing a second service module with a service function different from the first service
7 module and adapted to address said printhead-related service condition, the second service

module and adapted to address said printhead-related service condition, the second service module removably installable on the printer and with respect to in place of the first service module, wherein said printhead-related service condition includes vibration or shock incurred during shipment or moving of the printer, and the second service module includes a special capping structure having a range of movement along an axis generally transverse to a nozzle array of the printhead, and a bias structure which urges the capping structure toward and into engagement with the printhead during a capping procedure.

16. (Original) The method of claim 15 wherein the special capping structure includes a relative hard, non-resilient cap structure which contains the printhead during the capping procedure.

17. – 18. (Cancelled)

1	19. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2	printhead and a removable first service module, comprising:
3	providing a second service module different from the first service module and adapted to
4	address a printhead-related service condition not adequately addressed by the first service
5	module being in an un-worn condition, the second service module removably installable on the
6	printer and with respect to in place of the first service module;
7	providing a set of instructions for using the second service module with the inkjet printer
8	to the printer user, wherein the step of providing a set of instructions includes providing a set of
9	machine readable printer instruction code for loading into the printer;
10	installing the second service module in the printer;
11	conducting a printhead-related service operation using the second service module.
1	20. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2	printhead and a removable first service module, comprising:
3	providing a second service module different from the first service module and adapted to
4	address a printhead-related service condition not adequately addressed by the first service
5	module being in an un-worn condition, the second service module removably installable on the
6	printer and with respect to in place of the first service module;
7	providing a set of instructions for using the second service module with the inkjet printer
8	to the printer user, wherein the printer is controlled by a host computer, and the step of providing
9	a set of instructions includes downloading the set of printer instruction code from the host
10	computer;
11	installing the second service module in the printer;
12	conducting a printhead-related service operation using the second service module.
1	21. (Canceled)

1	22. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2	printhead and a removable first service module, comprising:
3	providing a second service module different from the first service module and adapted to
4	address a printhead-related service condition not adequately addressed by the first service
5	module being in an un-worn condition, the second service module removably installable on the
6	printer and with respect to in place of the first service module;
7	installing the second service module in the printer;
8	conducting a printhead-related service operation using the second service module;
9	after completion of the printhead-related servicing operation, removing the second
10	service module from the printer; and
11	installing the first service module in the printer in place of the second service module.
1	23. – 26. (Cancelled)
1	27. (Currently Amended) A method for servicing an inkjet printer including an inkjet
2	printhead and a removable first service module, comprising:
3	providing a second service module different from the first service module and adapted to
4	address a printhead-related service condition not adequately addressed by the first service
5	module being in an un-worn condition, the second service module removably installable on the
6	printer and with respect to in place of the first service module;
7	installing the second service module in the printer;
8	conducting a printhead-related service operation using the second service module;
9	wherein said printhead-related service condition includes ink on a printhead carriage
10	interconnect, and the second service module includes a cleaning element arranged to clean the
11	interconnect during a special cleaning mode with the printhead removed from the carriage.
1	28. – 29. (Cancelled)

1	30. (Currently Amended) A special service module An apparatus for use in an inkjet
2	printing system including an inkjet printhead and a standard service module removably installed
3	in the printing system, the apparatus comprising a special service module configured to be
4	removably installed in the printing system in place of the standard service module to perform a
5	special service function on the printhead which is not performed by the standard service module
6	being in an un-worn condition, the special service module removably installable on the printer
7	and with respect to in place of the standard service module.
1	31. (Previously Presented) A method for servicing an inkjet printer including an
2	inkjet printhead with a nozzle plate and a first service module removably installed on the printer
3	comprising:
4	identifying a printhead-related service condition not adequately addressed by servicing
5	the printer with the first service module;
6	providing a second service module with a service function different from the first service
7	module and adapted to address said printhead-related service condition;
8	removing the first service module from the printer;
9	installing the second service module in the printer in place of the first service module;
10	using the second service module, conducting a special printhead-related servicing
11	operation;
12	after completion of the special printhead-related servicing operation, removing the
13	second service module from the printer; and
14	installing the first service module in the printer in place of the second service module.

32. (Currently Amended) A method for servicing an inkjet printer including an inkjet printhead with a nozzle plate and a first service module removably installed on the printer, comprising:

identifying a printhead-related service condition not adequately addressed by servicing the printer with the first service module in an <u>un-used un-worn</u> condition, said printhead-related service condition including vibration or shock incurred during shipment or moving of the printer, the second service module including a special capping structure having a range of movement along an axis generally transverse to a nozzle array of the printhead, and a bias structure which urges the capping structure toward and into engagement with the printhead during a capping procedure, and wherein the special capping structure including a relative hard, non-resilient cap structure which contacts the printhead during the capping procedure;

providing a second service module with a service function different from the first service module and adapted to address said printhead-related service condition[[;]], wherein the second service module includes a special capping structure having a range of movement along an axis generally transverse to a nozzle array of the printhead, and a bias structure which urges the capping structure toward and into engagement with the printhead during a capping procedure, and wherein the special capping structure including a relative hard, non-resilient cap structure which contacts the printhead during the capping procedure; and

performing the capping procedure with the second service module installed in the printer, and maintaining contact between the non-resilient cap structure and the printhead to prevent a pumping action on the printhead when subjected to vibration and shock.

- 33. (Previously Presented) The method of claim 32, wherein a constant closed volume is maintained between the cap structure and the printhead during the capping procedure.
- 1 34. 44. (Cancelled)

1	45. (Currently Amended) An inkjet printing system, comprising:
2	an inkjet printhead;
3	a service area for performing service functions on the printhead;
4	a first service module for removable mounting at the service area to perform service
5	functions on the printhead during a standard printhead service mode;
5	a second service module for removable mounting at the service area in place of the first
7	service module to perform a different service function from that performed by the first service
3	module in an unused un-worn condition on the printhead during a special printhead service
)	mode.
1	46. (Previously Presented) The system of Claim 45 further comprising:
2	a printhead carriage for mounting the printhead and arranged for traversing movement
3	along a print area and for moving to the service area;
4	a service carriage for removably mounting the first service module or the second service
5	module.